

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. <b>0528-1136</b> U.S. Application No. <b>10/7518632</b>
INTERNATIONAL APPLN. NO. <b>PCT/FR2003/001754</b>	INTERNATIONAL FILING DATE <b>June 11, 2003</b>	PRIORITY DATE CLAIMED <b>June 19, 2002</b>
TITLE OF INVENTION: PROCESS, DEVICE AND SOFTWARE PACKAGE FOR LOCALLY DETERMINING THE SHAPE OF GEOLOGICAL HORIZONS		
APPLICANT(S) FOR DO/EO/US: <b>Jean-Claude DULAC, Fabien BOSQUET and Emmanuel LABRUNYE</b>		
Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))</li> <li>10. <input checked="" type="checkbox"/> A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). ))</li> <li>11. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input type="checkbox"/> Copy of IDS citations.</li> <li>13. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s)).</li> <li>14. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>15. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>16. <input checked="" type="checkbox"/> Itemized Return Receipt Postcard</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> Power of Attorney and Statement under 37 CFR §3.73(b)             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed Power of Attorney</li> <li>b. <input type="checkbox"/> A change of Power of Attorney and/or change of address letter.</li> </ol> </li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)).</li> <li>22. <input checked="" type="checkbox"/> Other items or information: <u>Abstract, International Search Report, PCT/IPEA/409 (International Preliminary Examination Report)</u></li> </ol>		

U.S. APPLICATION NO. <b>10/518632</b>		INTERNATIONAL APPLN. NO. PCT/FR2003/001754		ATTORNEY DOCKET NO. 0528-1136	
<input checked="" type="checkbox"/> <b>Applicant claims small entity status. See 37 CFR 1.27.</b> <input checked="" type="checkbox"/> The following fees are submitted:					<b>CALCULATIONS PTO USE ONLY</b>
<b>PCT FEES - NATIONAL STAGE</b>					
<b>Large Entity</b>		<b>Small Entity</b>		<b>Fee Description</b>	
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1631	300.00	2631	150.00	Basic National Stage Fee	
1632	500.00	2632	250.00	National Stage Search Fee	
1633	200.00	2633	100.00	National Stage Examination Fee	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617)					<b>\$0.00</b>
<b>SIZE FEE</b> Plant size fee each additional 50 sheets in excess of 100 Fee Code 1681/2681		<b>Additional Sheets</b> 18 - 100 = _____ = _____ X 50			<b>Fee From Below</b> <u>\$250.00</u>
<b>CLAIMS</b>		<b>NUMBER FILED</b> 1 - 3 =	<b>NUMBER EXTRA</b>	<b>RATE</b> x \$200.00	<b>\$0.00</b>
Independent Claims Fee Codes 1614 / 2614					
Total Claims Fee Codes 1615 / 2615		20 - 20 =		x \$50.00	<b>\$0.00</b>
MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616				+ \$360.00	<b>\$0.00</b>
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).Fee Code 1618					<b>\$0.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021) \$40.00 per property					<b>\$0.00</b>
<b>TOTAL FEES ENCLOSED</b> =					<b>\$500.00</b>
					<b>Amount to be refunded:</b> \$
					<b>Charged:</b> \$
<input checked="" type="checkbox"/> A check in the amount of <b>\$500.00</b> to cover the above fees is attached. <input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.					
<b>SEND ALL CORRESPONDENCE TO:</b> YOUNG & THOMPSON 745 South 23 <sup>rd</sup> Street Arlington, VA 22202 Telephone: (703) 521-2297 Facsimile: (703) 685-0573					
 <b>SIGNATURE</b> Eric Jensen, Reg. No. 37,855 <b>NAME, REGISTRATION NUMBER</b>					
<b>Y&amp;T Customer No. 00466</b> <b>EJ/yr</b> <b>December 20, 2004</b> <b>DATE</b>					